

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
11 August 2005 (11.08.2005)

PCT

(10) International Publication Number
WO 2005/073531 A1

(51) International Patent Classification⁷: **F01P 3/20**, 11/06,
C23F 13/02, B63H 21/38, B63J 2/12

(21) International Application Number:
PCT/NL2004/000885

(22) International Filing Date:
17 December 2004 (17.12.2004)

(25) Filing Language: Dutch

(26) Publication Language: English

(30) Priority Data:
1025078 19 December 2003 (19.12.2003) NL

(71) Applicant: **PAHEBO BEHEER B.V.** [NL/NL]; Wanroij-
seweg 26, NL-5451 HA Mill (NL).

(72) Inventor; and

(75) Inventor/Applicant (*for US only*): **VAN BOXTEL,
Hermanus, Gerardus, Maria** [NL/NL]; Wanroijseweg
26, NL-5451 HA Mill (NL).

(74) Agents: **VALKONET, Rutger** et al.; Algemeen Oc-
trooi-en Merkenbureau, P.O. Box 645, NL-5600 AP
Eindhoven (NL).

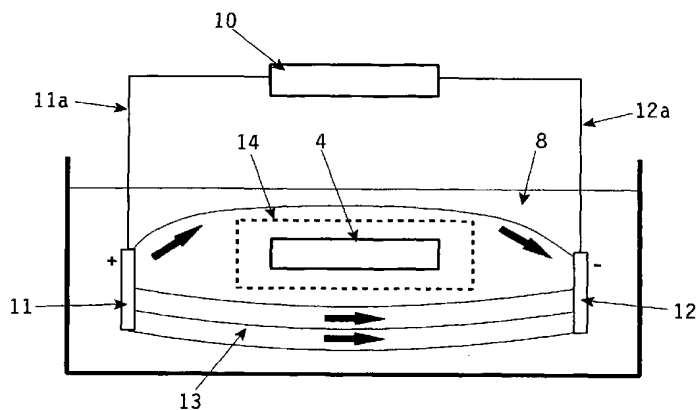
(81) Designated States (*unless otherwise indicated, for every
kind of national protection available*): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(84) Designated States (*unless otherwise indicated, for every
kind of regional protection available*): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— with international search report

[Continued on next page]

(54) Title: WELL COOLER



(57) Abstract: The disclosure relates to a well cooler (3) for cooling a cooling medium of a driving unit on a ship (1), such as a marine motor, by means of outboard water (8), which well cooler (3) can be placed in a well space (2) present in the (1), which lies at least partially below the outboard water level and which in open communication with the outboard water (8), the well cooler (3) comprising at least one cooling element (4) for the cooling medium, which extends into the well space (2) and which is surrounded by outboard water (8) during operation, and the ship (1) furthermore being provided with a cathodic corrosion protection system (10). The object of the disclosure is to provide a well cooler (3) of the above kind which on the one hand exhibits and retains an effective cooling efficiency, and which on the other hand is not affected by stray current corrosion, which reduces the life span of the well cooler. According to the disclosure, the well cooler (3) is provided with means (14) that prevents the cooling element (4) from being affected by stray current corrosion.

WO 2005/073531 A1



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.